

AMENDMENTS TO THE SPECIFICATION

Please replace the paragraph beginning at page 7, line 15 with the following amended paragraph:

“It will be noted that the mechanically stabilized quantum wave functions extend into the GaAs barrier layers 31. The dimensions are selected such that the lattice strain of the mechanically reinforced InGaAs layers 39 causes band splitting that modifies the InGaAs bandgap. The GaAs mechanical stabilizer layer thicknesses, the InGaAs layer thicknesses, the InGaAs composition and the total well thickness or width, will determine the position of the quantum levels [[19]] relative to the band edge. However, it is believed that the dimensions shown are close approximations to desirable for indium .7 gallium 3 arsenide composition of the InGaAs layer.”

No new matter is believed to be entered as a result of this amendment to the specification.